OVENS

Design

Overall stainless steel frame and chambers duly painted with high temperature resistant epoxy-resins. Double walled inner chamber insulated with rock wool. Air casing between the insulation layer and the external walls avoid overheating of the outer surfaces.
Front door is provided with lever locking system and two adjustable bullet latches (all doubled in the case of higher-capacity two-doors models), ensuring a perfect seal on the high thickness silicone gasket.
Control panel is located on the right side of the door.

Main specifications

- Range of measurement: -100°C ÷ 300°C
- Resolution: 0,1°C
- Accuracy: 0.2% full scale
- Thermal uniformity: ± 2°C at 150°C
- Thermal stability: ± 0.4°C at 150°C
- Temperature stabilisation time:
  ambient to 150°C, 35 min (natural circulation ovens)
  ambient to 150°C, 20 min (forced circulation ovens)
- Permanent memory storage of data and parameters while shut-off.
- Inlet for Pt 100 probe
- Printer port or RS 232 interface



Standard equipment

- On/off main switch
- Safety thermostat to prevent overheating
- Control timer 0 ÷ 21 hours or continuous operation
- Mechanical control for air circulation
- Microprocessor-based electronics, digital thermoregulator with PID action and 4-digits
- display (height ½"), soft-touch keyboard for parameters setting.
- Stainless steel shelves (two pcs supplied as standard)

Optional accessories

- Whenever printing of the temperature graph during operation is required, an on-board impact printer may be located on the control panel of the oven, and will operate as a recorder.
- Multi-layers, heatproof glass window on the door and internal lighting.
- Through holes of various dimensions may be bored on the walls.



Dedicated models for standardized tests

Ovens fully equipped in accordance with standardised tests, for instance:

- loss of weight in plasticizers (ASTM 2288)
- ageing of electrical cables (UL 1581, CEI and similar ones)

Reference standard	
ASTM	D2288
ASTM	D5374
ASTM	D5423
UL	1581

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Natural air circulation ovens for temperatures from ambient to 250°C

Model	Doors	Volume	Dimensions (WxDxH) mm.		Weight	Power
		Litres	Inner	Outer	kg	W
N 55	1	55	405 x 400 x 340	635 x 705 x 625	47	1200 *
N 110	1	110	600 x 390 x 480	830 x 760 x 705	72	2400 *
N 250	2	250	800 x 520 x 600	1030 x 915 x 825	117	3600 *
N 400	2	400	1000 x 525 x 770	1290 x 905 x 1100	167	3600 **

Forced air circulation ovens for temperatures from ambient to 300°C

Model	Doors	Volume	Dimensions (WxDxH) mm		Weight	Power
		Litres	Inner	Outer	kg	W
F 55	1	55	405 x 400 x 340	635 x 705 x 625	50	1200 *
F 110	1	110	600 x 390 x 480	830 x 760 x 705	75	2400 *
F 250	2	250	800 x 520 x 600	1030 x 915 x 825	120	3600 *
F 400	2	400	1000 x 525 x 770	1290 x 905 x 1100	170	3600 **
F 750	2	750	1000 x 625 x 1200	1290 x 1005 x 1530	265	7500 **

* Power supply: 230V - 50Hz – single phase
** Power supply: 400V - 50Hz - three phases



